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TRANSMITTAL FORM

(to be used for all correspondence during pendency of filed application)

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|--|----|------------------------|--------------------|
| | | Application Number | 10/789,947 |
| | | Filing Date | February 27, 2004 |
| | | First Named Inventor | Deepika Srinivasan |
| | | Group Art Unit Number | 2611 |
| | | Examiner Name | Not Yet Known |
| Total Number of Pages in This Submission | 6* | Attorney Docket Number | 24174-08750 |

| ENCLOSURES (check all that apply) | |
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REMARKS: *Page count does not include cited references.

| SIGNATURE OF ATTORNEY OR AGENT | |
|--------------------------------|----------------------------------|
| Signature: | |
| Attorney/Reg. No.: | Robert R. Sachs, Reg. No. 42,120 |
| Dated: 5/17/06 | |

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| Typed or Printed Name: | Robert R. Sachs |
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Deepika Srinivasan, Andrew Krupiczka and Sassan Pejhan
APPLICATION NO.: 10/789,947
FILING DATE: February 27, 2004
TITLE: Phase Correlation Based Motion Estimation in Hybrid Video Compression
EXAMINER: Not Yet Known
GROUP ART UNIT: 2611
ATTY. DKT. NO.: 24174-08750

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Mail Stop Amendment, Commissioner For Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below:

Dated: 5/17/08 By: RRS
Robert R. Sacks, Reg. No.: 42,120

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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Under 37 CFR §§ 1.56 and 1.97-98

SIR:

Pursuant to the provisions of 37 CFR §§ 1.56 and 1.97-98, enclosed herewith is modified form PTO/SB/08A listing references for consideration by the Examiner.

The filing of this Information Disclosure Statement shall not be construed as a representation regarding the completeness of the list of references, or that inclusion of a reference in this list is an admission that it is prior art or is pertinent to this application, or that a search has been made, or as an admission that the information listed is, or may be considered to be, material to patentability, or that no other material information exists, and shall not be construed as an admission against interest in any manner.

This Information Disclosure Statement is being filed:

- within three months of the filing date of the application, or date of entry into the national stage of an international application, or before the mailing date of a first office action on the merits, whichever event last occurred;
- before the mailing of a first official action after the filing of a request for continued examination (RCE) under 37 CFR § 1.114;

- after three months of the filing date of this national application or the date of entry of the national stage in an international application, or after the mailing date of the first official action on the merits, whichever event last occurred, but before the mailing date of the first to occur of either: (1) a final action under 37 CFR §1.113; or (2) an action that otherwise closes prosecution in the application, and:
 - attached hereto is the fee set forth under 37 CFR §1.17(p) for submission of this Information Disclosure Statement under 37 CFR. § 1.97(c); OR
 - Applicant certifies pursuant to 37 CFR § 1.97(e) that:
 - each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement; OR
 - no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing this certification after making reasonable inquiry, no item of information contained in this Statement was known to any individual designated under 37 CFR § 1.56(c) more than three months prior to the filing of this Statement;
- on or before the payment of the issue fee but after the mailing date of the first to occur of either: (1) a final action under 37 CFR § 1.113; (2) a notice of allowance under 37 CFR § 1.311; or (3) an action that otherwise closes prosecution in the application, and:
 - Applicant certifies pursuant to 37 CFR. § 1.97(e) that:
 - each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement;
 - no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing this

certification after making reasonable inquiry, no item of information contained in this Statement was known to any individual designated under 37 CFR § 1.56(c) more than three months prior to the filing of this Statement; AND

- attached hereto is the fee set forth under 37 CFR § 1.17(p) for submission of this Information Disclosure Statement under 37 CFR. § 1.97(d); OR
- after the payment of the issue fee. Applicant requests that the information contained in this Information Disclosure Statement be placed in the file according to 37 CFR § 1.97(i), although the information may not be considered by the USPTO.
- Enclosed is a copy of each listed reference that may be material to the examination of this application, and for which there may be a duty to disclose.
- This application relies, under 35 U.S.C. § 120, on the earlier filing date of prior application No. _____, filed on _____, and the references cited therein are hereby referenced, but are not required to be provided in this application under 37 CFR § 1.98(d).
- Copies of any foreign patent documents and non-patent literature cited herein are enclosed.
- Each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application, and the communication was not received by any individual designated in 37 CFR § 1.56(c) more than thirty days prior to the filing of this Information Disclosure Statement. 37 CFR § 1.704(d).
- Applicant submits that no fee is required for the consideration of this Information Disclosure Statement.

Consideration of the listed references and favorable action are solicited.

Respectfully submitted,
DEEPIKA SRINIVASAN ET AL.

Dated: _____

By: _____

Robert R. Sachs, Reg. No.: 42,120
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Fax.: (650) 938-5200

O I P E J A P A N

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P A T E N T O R T R A D E M A R K S U C

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|-------|---|----|---|-------------------------------|
| Sheet | 1 | of | 1 | Substitute for form 1449A/PTO |
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

| | | <i>Complete if Known</i> |
|------------------------|--------------------|--------------------------|
| Application No. | 10/789,947 | |
| Filing Date | February 27, 2004 | |
| First Named Inventor | Deepika Srinivasan | |
| Art Unit | 2611 | |
| Examiner Name | Not Yet Known | |
| Attorney Docket Number | 24174-08750 | |

| U.S. PATENT DOCUMENTS | | | | |
|------------------------------|-----------------------|--------------|-----------------|---|
| Examiner Initials* | Cite No. ¹ | Document No. | Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document |
| | A1 | US-6,668,020 | 12-23-2003 | Ma et al. |
| | A2 | US-6,542,547 | 04-01-2003 | Wong |
| | A3 | US-6,414,997 | 07-02-2002 | Piccinelli et al. |
| | A4 | US-6,363,117 | 03-26-2002 | Kok |
| | A5 | US-6,269,174 | 07-31-2001 | Koba et al. |
| | A6 | US-6,259,737 | 07-10-2001 | Fung et al. |
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| | A8 | US-5,778,190 | 07-07-1998 | Agarwal |
| | A9 | US-5,706,059 | 01-06-1998 | Ran et al. |
| | A10 | US-5,557,341 | 09-17-1996 | Weiss et al. |

| OTHER REFERENCES – NON-PATENT LITERATURE DOCUMENTS | | | |
|---|-----------------------|--|----------------|
| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published | T ⁶ |
| | C1 | AUDE, A.J., "A Tutorial in Coherent and Windowed Sampling with A/D Converters," Application Note AN9675, Intersil Corporation, February 1997, pp. 1-8. | |
| | C2 | BISWAS, M., Nguyen, T., "A Novel Motion Estimation Algorithm Using Phase Plane Correlation for Frame Rate Conversion," IEEE Xplore, Release 2.1, November 3-6, 2002, pp. 1-8. | |
| | C3 | HILL, L. et al., "Motion Measurement Using Shape Adaptive Phase Correlation," Electronics Letters, December 6, 2001, 2 pages, Vol. 37, No. 25. | |
| | C4 | LIANG, Y., "Phase Correlation Motion Estimation," Final Project EE 392J, Stanford University, Winter Quarter 2000, pp. 1-9. | |
| | C5 | THOMAS, G.A., "Television Motion Measurement for DATV and Other Applications," BBC Research Department Report, BBC RD 1987/11, September 1987, 24 pages. | |

| | | |
|--------------------|--|-----------------|
| Examiner Signature | | Date Considered |
|--------------------|--|-----------------|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609.

Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.